

Table 2. First-Line TB Drugs

Drug	Dose in mg/kg (Maximum Dose)						Adverse Reactions	Monitoring	Comments
	Daily		2 Times/Week*		3 Times/Week*				
	Children	Adults	Children	Adults	Children	Adults			
INH	10-20 (300 mg)	5 (300 mg)	20-40 (900 mg)	15 (900 mg)	20-40 (900 mg)	15 (900 mg)	Hepatic enzyme elevation Hepatitis Peripheral neuropathy Mild effects on central nervous system Drug interactions	Baseline measurements of hepatic enzymes for adults Repeat measurements - if baseline results are abnormal - if patient is at high risk for adverse reactions - if patient has symptoms of adverse reactions	Hepatitis risk increases with age and alcohol consumption Pyridoxine can prevent peripheral neuropathy
RIF	10-20 (600 mg)	10 (600 mg)	10-20 (600 mg)	10 (600 mg)	10-20 (600 mg)	10 (600 mg)	GI upset Drug interactions Hepatitis Bleeding problems Flu-like symptoms Rash	Baseline measurements for adults - CBC and platelets - hepatic enzymes Repeat measurements - if baseline results are abnormal - if patient has symptoms of adverse reactions	Significant interactions with - methadone - birth control pills - many other drugs Colors body fluids orange May permanently discolor soft contact lenses
PZA	15-30 (2 g)	15-30 (2 g)	50-70 (4 g)	50-70 (4 g)	50-70 (3 g)	50-70 (3 g)	Hepatitis Rash GI upset Joint aches Hyperuricemia Gout (rare)	Baseline measurements for adults - uric acid - hepatic enzymes Repeat measurements - if baseline results are abnormal - if patient has symptoms of adverse reactions	Treat hyperuricemia only if patient has symptoms
EMB	15-25	15-25	50	50	25-30	25-30	Optic neuritis	Baseline and monthly tests - visual acuity - color vision	Not recommended for children too young to be monitored for changes in vision unless TB is drug resistant
SM	20-40 (1 g)	15 (1 g)	25-30 (1.5 g)	25-30 (1.5 g)	25-30 (1.5 g)	25-30 (1.5 g)	Ototoxicity (hearing loss or vestibular dysfunction) Renal toxicity	Baseline and repeat as needed - hearing - kidney function	Avoid or reduce dose in adults >60 years old

Notes. Children <12 years old.

Adjust weight-based dosages as weight changes.

* All regimens administered 2 or 3 times a week should be used with DOT.